

Indian Valley Industries, Inc.

Technical Data Sheet

IVI Sediment Control Grate Bags

30" X 54"

(all standard grate sizes are available)

IVI Sediment Control Grate Bags are an inlet protection device that is an effective BMP for NPDES Regulations. Filtering sediment laden water, the grate bags keep silt, sediment and debris out of storm water systems. The bags are constructed with strong woven seams and are a reusable, economical choice. All standard grate sizes are available.

The fabric is composed of high-tenacity monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. It is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

Physical Property	Test Method	Typical Value
Mass/Unit Area	ASTM D-5261	5.6 oz sq yd (190 g sq m)
Thickness	ASTM D-5199	28 mils (0.71mm)
Mechanical Property		
Wide Width Tensile (MD/CD)	ASTM D-4595	2400/1680 lbs (35/24 kN/m)
Grab Tensile Strength (MD/CD)	ASTM D-4632	365/200 lbs (1.62/0.89 kN)
Grab Tensile Elongation (MD/CD)	ASTM D-4632	24% / 10%
Trapezoid Tear Strength (MD/CD)	ASTM D-4533	115/75 lbs (0.51/0.33 kN)
Mullen Burst Strength	ASTM D-3786	450 psi (3097 kPa)
Puncture Strength	ASTM D-4833	90 lbs (0.40 kN)
Apparent Opening Size	ASTM D-4751	40 US Sieve (0.425mm)
Percent Open Area	COE-22125-86	10%
Permittivity	ASTM D-4491	2.1 sec ⁻¹
Permeability	ASTM D-4491	0.14 cm/sec
Flow Rate	ASTM D-4491	145 gal/min per sq ft (5907 l/min per sq m)
UV Resistance (@ 500 hrs)	ASTM D-4355	90% strength retained

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